



## Helix Elite™ Molecular Standard Synthetic RNA

### SECTION 1: IDENTIFICATION

**Product:** Helix Elite™ Molecular Standard Synthetic RNA  
**Manufacturer:** Microbiologics, Inc.  
**Telephone:** 320-253-1640  
**Address:** 200 Cooper Avenue North  
St. Cloud, Minnesota 56303 USA

### SECTION 2: HAZARDS INSTRUCTIONS

The nucleic acid presented in the dried material are nonviable and do not pose a health threat.

**GHS Classification:** Acute aquatic toxicity (Category 3)  
Chronic aquatic toxicity (Category 3)

**Signal Word:** None

**Pictogram:** None

**Hazard Statement:** H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements:** P273: Avoid release to the environment  
P501: Dispose of contents/container to an approved waste disposal plant

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Oligodeoxyribonucleic Acid  
Trade Secret – Undisclosed Identity  
CAS Number: 34487-61-1  
CAS Number: 60-00-4  
CAS Number: 6132-04-3

## SECTION 4: FIRST AID MEASURES

- General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Skin Contact:** Wash off with soap and plenty of water. Consult a physician.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## SECTION 5: FIRE-FIGHTING MEASURES

- Conditions of Flammability:** Not flammable or combustible.
- Extinguishing Media:** Water spray. Carbon dioxide, regular dry chemical powder, or appropriate foam.
- Protective Equipment for Firefighters:** Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.
- Hazardous Combustion Products:** Hazardous decomposition products formed under fire conditions. Specific Hazard(s): Emits toxic fumes under fire conditions – Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
- Environmental Precautions:** Do not let product enter drains.
- Methods for Containment and Clean Up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

- Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- Storage:** Store at 2°C -25°C in the original, tightly closed container in a dry and well-ventilated place.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT**

Contains no substances with occupational exposure limit values.

**Respiratory Protection:** Respiratory protection is not required.

**Ventilation:** Maintain adequate ventilation at all times. In most circumstances, natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

**Eyes/Face:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Clothing:** Wear protective clothing.

**Hand Protection:** Handle with protective gloves. Inspect gloves for damage or imperfections prior to use. Use proper technique when removing gloves to avoid skin contact with the outer surface of the glove. Always wash hands after removal of gloves.

**SECTION 9: PHYSICAL/CHEMICAL PROPERTIES**

**Appearance/Form:** N/A

**Flash Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Solubility in Water:** N/A

**Density:** N/A

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under recommended storage conditions.

**Hazardous Decomposition Products**

**Formed Under fire Conditions:** Carbon oxides, nitrogen oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC/ACGIH/NTP/OSHA.

**Additional Information:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL

Dispose of contents/container to an approved waste disposal plant.

## SECTION 14: TRANSPORT INFORMATION

Not dangerous goods.

## SECTION 15: REGULATORY INFORMATION

**SARA 302 Components:** SARA 302: No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Components:** Acute health hazard.

**California Prop. 65:** This product does not contain chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: OTHER INFORMATION

N/A

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